

# LITTLE COLORADO RIVER BASIN

09400580 CASTLE BUTTE WASH NEAR WINSLOW, AZ

LOCATION.--Lat 35°19'30", long 110°25'20", in SW<sup>1</sup>/<sub>4</sub> sec.10, T.22 N., R.18 E., Navajo County, Hydrologic Unit 15020014, at State Highway 87, 26 mi northwest of Winslow.

DRAINAGE AREA.--5.57 mi<sup>2</sup>.

## Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1964	09-09-64	101		1971	08-00-71	127	
1965	07-00-65	707		1972	09-18-72	280	
1966	00-00-66	5.0	ES	1973	10-19-72	215	
1967	00-00-67	0		1974	07-17-74	2.0	ES
1968	00-00-68	0		1975	07-15-75	860	
1969	10-04-68	1.0	LT	1976	00-00-76	58	
1970	09-05-70	117					

Magnitude and probability of instantaneous peak flow based on period of record 1964-76

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
86	289	536	1,020	1,540	2,220
Weighted skew	(logs) =	-0.12			
Mean	(logs) =	1.92			
Standard dev.	(logs) =	0.64			

† Reliability of values in column is uncertain, and potential errors are large.

## Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
83.8	3.2	5,820	0.0	1.0	8.6	1.3	2.7

